

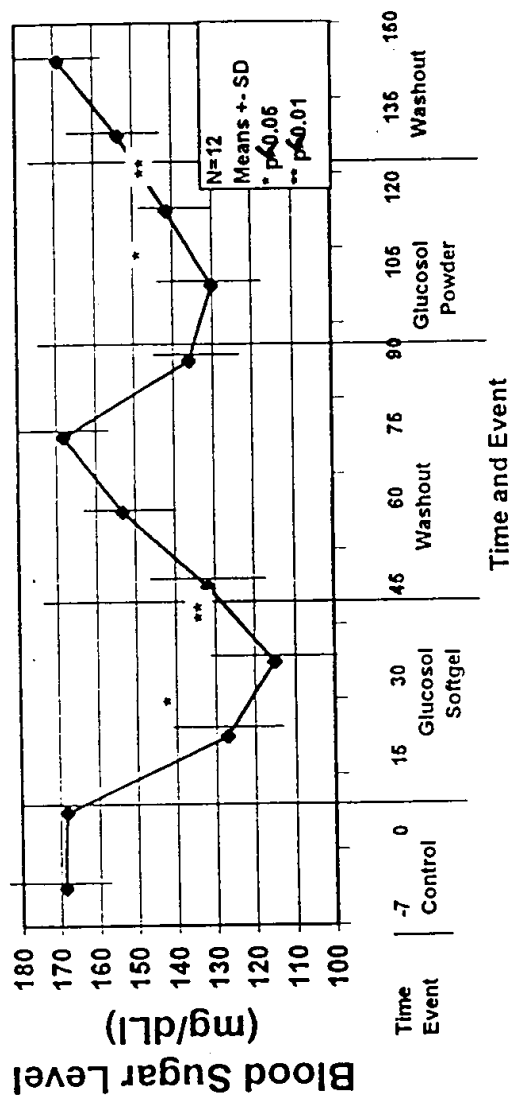


## Glucosol- Blood Glucose Study SIBR 08-99

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# Glucosol and Blood Sugar Relationship



**FIG. 2** Influence of softgel and powder glucosol (48 mg/day) on blood sugar levels in Type II diabetics. Note the rapid blood sugar reduction during supplementation and the slow recovery during Glucosol washout.

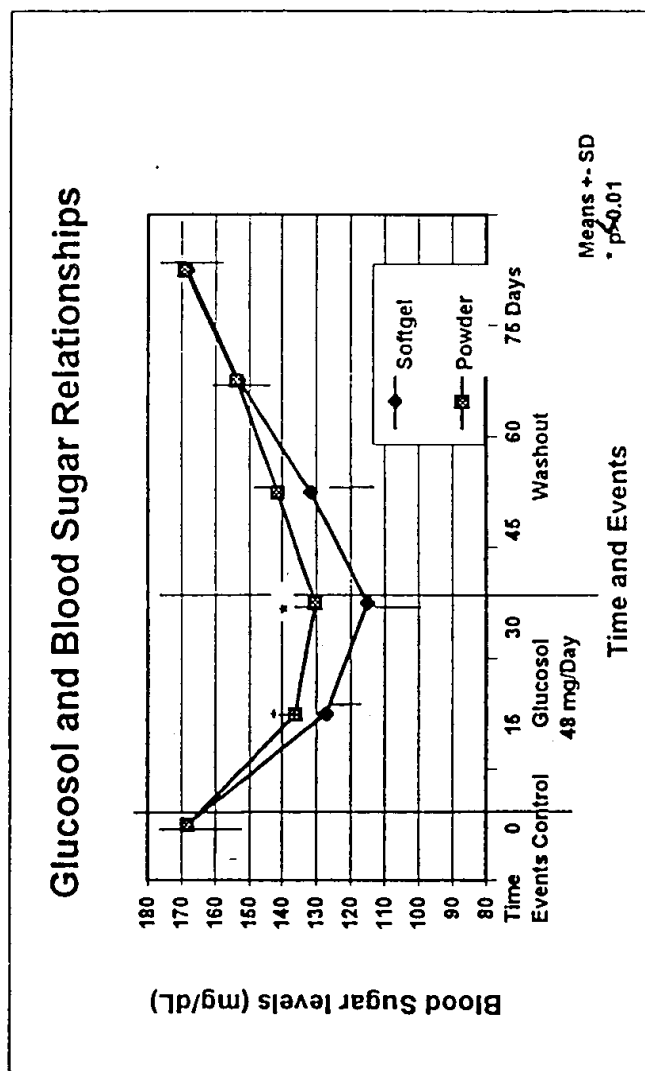
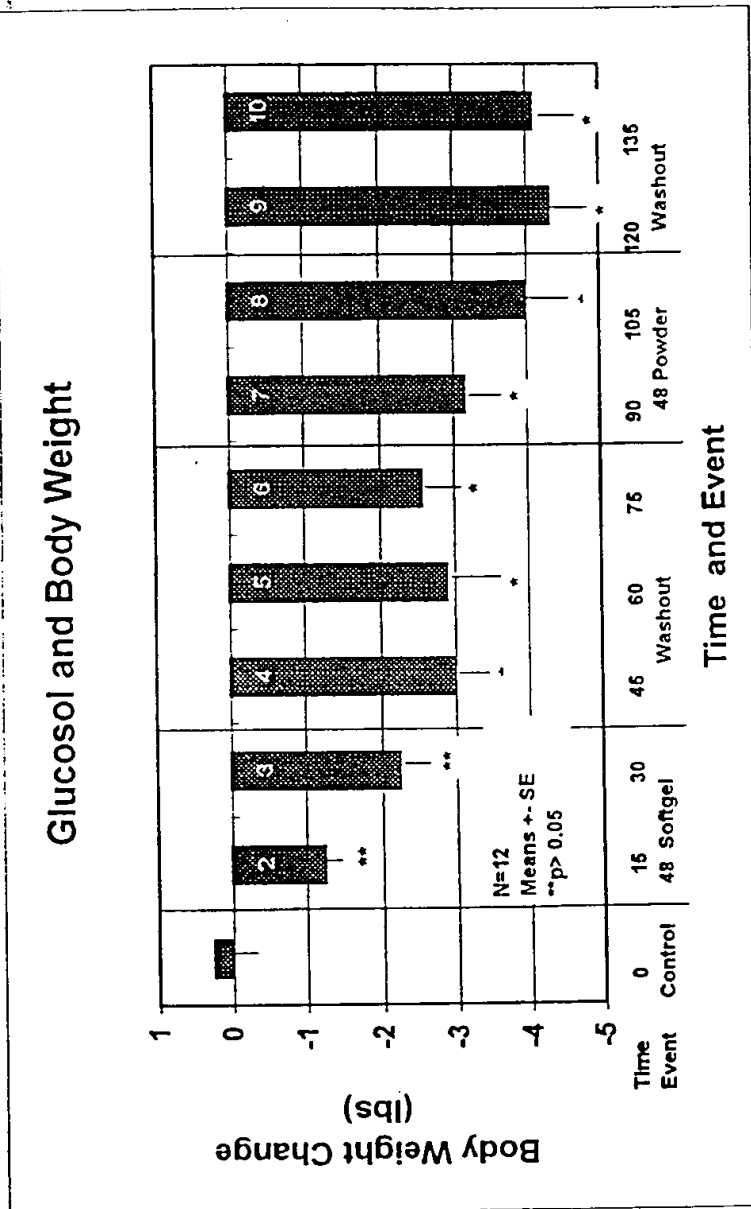
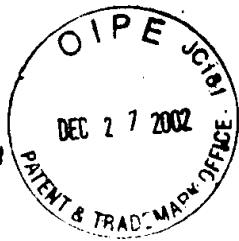


FIG. 3. Blood sugar lowering effects of softgel and powder Glucosol. Both glucosol forms significantly ( $p < 0.01$ ) lowered blood sugars in 15 and 30 days. The recovery time was delayed with both Glucosol forms.



**FIG. 4**

Body weight changes before, during and after 48 mg/day of softgel or powder Glucosol. Note the acute drop in weight during Glucosol supplementation and the slow weight gain during the washout intervals. The weight loss with 48 mg/day softgel or powder Glucosol was not regained in six weeks. Thus, the baseline weight for the powder Glucosol (day 75) was lower than that for the softgel formulation (day 0).



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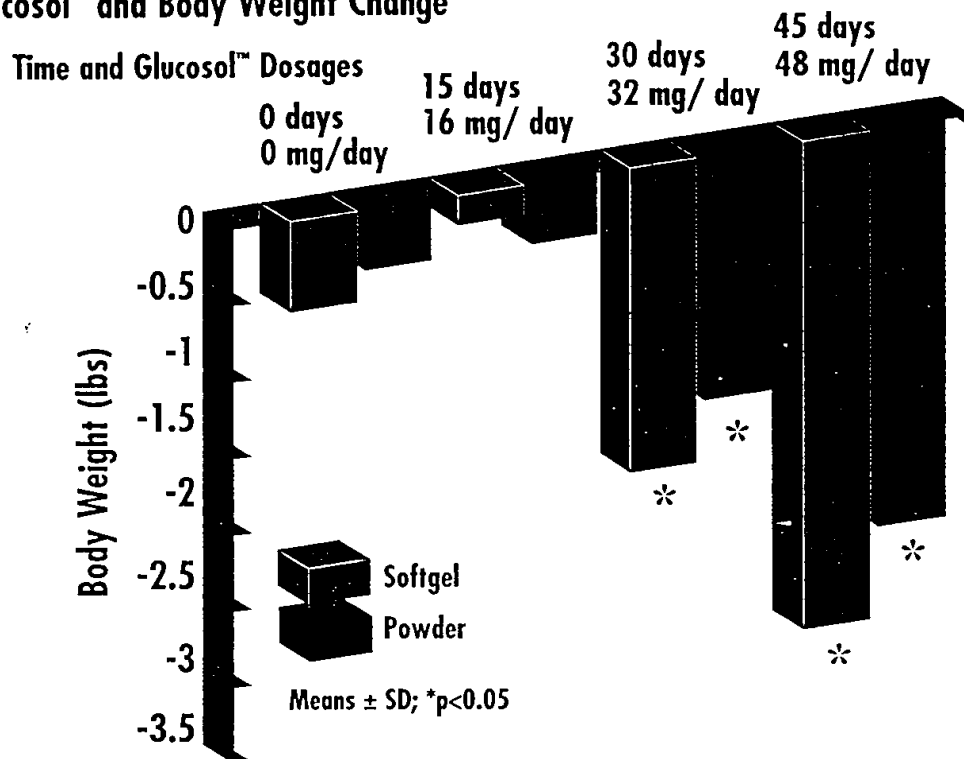
Glucosol- Body Weight Study: SIBR 05-99

Event Days	Controls			48 mg/day Softgel			Washout			48 mg/day Powder			Washout		
	-7	0	15	30	45	60	75	90	105	120	135				
Volunteer															
1		2	0	-2	-1	-1	-2	-1	-2	-3	-2	-2	-3	-2	
2		0	-2	-4	-5	-4	-4	-5	-6	-5	-5	-6	-5	-5	
3		-1	-1	-2	-3	-2	-2	-2	-3	-3	-3	-3	-3	-4	
4		1	0	-1	-2	-2	-3	-3	-5	-4	-5	-5	-4	-5	
5		1	-1	-2	-3	-4	1	1	1	-2	-1	1	-2	-1	
6		-1	-2	-4	-5	-5	-5	-5	-4	-4	-3	-4	-4	-3	
7		1	0	-3	-4	-5	-5	-3	-3	-4	-3	-3	-4	-3	
8		1	-1	-1	-1	0	0	-2	-3	-2	-1	-3	-2	-1	
9		-1	-2	-1	-2	-3	-2	-4	-5	-7	-8	-5	-7	-8	
10		-1	-2	-1	-2	-3	-2	-4	-5	-6	-5	-5	-6	-5	
11		1	-1	-2	-3	-2	-2	-4	-5	-5	-5	-5	-5	-5	
12		0	-3	-4	-5	-4	-5	-6	-8	-7	-7	-8	-7	-7	
Means		0.25	-1.25	-2.25	-3	-2.91	-2.58	-3.17	-4	-4.33	-4.1				
SD		1.06	0.96	0.96	1.48	1.56	1.92	1.94	2.24	1.72	2.2				
SE		0.3	0.28	0.27	0.42	0.45	0.55	0.56	0.65	0.5	0.63				
0 day comparison		$p \leq 0.05$	$p \leq 0.05$	$p \leq 0.05$	$p \leq 0.001$	$p \leq 0.001$	$p > 0.001$	$p \leq 0.001$	$p \leq 0.001$	$p = 0.001$	$p \leq 0.001$	$p \leq 0.001$	$p \leq 0.001$	$p \leq 0.001$	
75 day comparison		$p \leq 0.05$	$p \leq 0.05$	$p \leq 0.05$	$p \leq 0.001$	$p \leq 0.001$	$p \leq 0.001$	$p \leq 0.001$	$p \leq 0.07$	$p \leq 0.003$	$p \leq 0.02$				

FIG. 5



## Glucosol™ and Body Weight Change



Body weight change in Type II diabetics during supplementation with 16, 32, and 48 mg/ day Glucosol™ only (no exercise or diet changes). Supplementation time for each dose was 15 days. Both the softgel and powder forms of Glucosol™ decreased body weight significantly at the 32 and 48 mg/day dosages. The difference between Glucosol™ forms was not statistically different.

FIG. 6